

IN THE CLAIMS:

Amend the claims as follows.

Claims 1-96. (Canceled)

97. (New) A cell culture process for the production of a human Yellow Fever vaccine composition said process comprising the steps of:

(a) preparing a culture of cells of chick embryo fibroblasts which are permissive to Yellow Fever Virus YF17D, said culture of cells being a substrate for the production of human vaccines;

(b) suspending the cells in a culture medium and seeding said cells in said medium in the range of 1×10^4 - 2×10^5 cells/cm² to form a cell culture;

(c) incubating the cell culture obtained in step (b) at 30 to 40°C for a period of time between 12 and 144 hours to form an incubated cell culture;

(d) removing the culture medium from incubated cell culture of step (c) to form a cell collection and inoculating the cell collection with seed Yellow Fever virus at a concentration of 0.2 – 0.0001 infectious units per cell to form a second cell culture;

(e) incubating the second cell culture at 25 to 40°C in a maintenance medium for a period of time between 12 and 144 hours to form a second incubated cell culture;

(f) removing the maintenance medium from said second incubated cell culture, recovering the cells of said second incubated cell culture, washing the recovered cells at least one time to form a collection of washed cells and resuspending the collection of washed cells in a culture medium to form a third cell culture;

(g) incubating the third cell culture of step (f) at 25 to 40°C for a period of time between 12 and 144 hours to produce a third incubated cell culture which contains cultured Yellow Fever virus;

(h) at least partially harvesting said cultured virus from said third incubated cell culture to form a harvested supernatant, and optionally, adding a stabilizer to said harvested supernatant,

(i) optionally, repeating step (h) wherein medium removed during said harvesting is replaced and said third incubated cell culture is further incubated for a period of time between 12 and 144 hours after said medium is replaced;

(j) optionally, removing any cell debris from the harvested supernatant;

(l) optionally, virally inactivating any non-attenuated virus in said harvested supernatant and;

(m) storing the virus in said harvested supernatant at a temperature of at most – 45°C or lower.

98. (New) The process according to claim 97 wherein the culture of cells is a primary cell culture.

99. (New) The process according to claim 97 wherein the range is 1×10^4 - 1×10^5 cells/cm².

100. (New) The process according to claim 97 wherein said incubating of any of steps (c), (e), (g) and (i) is individually conducted for periods of time between 12 and 72 hours.

101. (New) The process according to claim 97 wherein a stabilizer is added in step (h).

102. (New) The process according to claim 101 wherein the stabilizer is a substance selected from the group consisting of human serum albumin, a peptide, an amino acids, a protein and mixtures of at least two of human serum albumin, a peptide, an amino acid and a protein.

103. (New) The process according to claim 97 wherein the Yellow Fever virus is an attenuated virus or a recombinant virus.

104. (New) The process according to claim 97 wherein the attenuated Yellow Fever virus is selected from the group consisting of a YF17D virus strain and a YF17D virus substrain.

105. (New) A process for preparing a human Yellow Fever vaccine comprising the steps of:

(a) preparing a culture of cells of chick embryo fibroblasts which are permissive to Yellow Fever Virus YF17D, said culture of cells being a substrate for the production of human vaccines;

(b) suspending the cells in a culture medium and seeding said cells in a medium in the range of 1×10^4 - 2×10^5 cells/cm² to form a cell culture;

(c) incubating the cell culture obtained in step (b) at 30 to 40°C for a period of time between 12 and 144 hours to form an incubated cell culture;

(d) removing the culture medium from incubated cell culture of step (c) to form a cell collection and inoculating the cell collection with seed Yellow Fever virus at a concentration of 0.2 – 0.0001 infectious units per cell to form a second cell culture;

(e) incubating the second cell culture (d) at 25 to 40°C in a maintenance medium for a period of time between 12 and 144 hours to form a second incubated cell culture;

(f) removing the maintenance medium from said second incubated cell culture, recovering the cells of said second incubated cell culture, washing the recovered cells at least one time to form a collection of washed cells, resuspending the collection of washed cells in a culture medium to form a third cell culture;

(g) incubating the third cell culture of step (f) at 25 to 40°C for a period of time between 12 and 144 hours to produce third incubated cell culture which contains cultured virus;

(h) at least partially harvesting said cultured virus from said third incubated cell culture to form a Yellow Fever vaccine composition, and optionally, adding a stabilizer to said vaccine composition,

(i) optionally, repeating step (h) to form separate vaccine composition, wherein medium removed during said harvesting is replaced and said third incubated cell culture is further incubated for a period of time between 12 and 144 hours after said medium is replaced;

(j) optionally, removing any cell debris from the vaccine composition of step (h), or the separate vaccine compositions of step (i), to form an optional further Yellow Fever vaccine composition;

(l) optionally, virally inactivating any non-attenuated virus in said vaccine composition, separate Yellow Fever vaccine compositions or optional further Yellow Fever vaccine composition, to form a virally inactivated Yellow Fever vaccine composition;

(m) optionally, lyophilizing the Yellow Fever vaccine composition of steps (h), (i), (j) or (l) to obtain a freeze-dried form of the Yellow Fever vaccine composition.

106. (New) The process according to claim 105 wherein the culture of cells is a primary cell culture.

107. (New) The process according to claim 105 wherein said range is 1×10^4 - 1×10^5 cells/cm².

108. (New) The process according to claim 105 wherein said incubating of any of steps (c), (e), (g) and (i) is conducted for periods of time between 16 and 72 hours.

109. (New) The process according to claim 105 wherein a stabilizer is added in step (h).

110. (New) The process according to claim 109 wherein the stabilizer is a substance selected from the group consisting of human serum albumin, a peptide, an amino acid, and a protein.

111. (New) The process according to claim 105 wherein the Yellow Fever virus is an attenuated virus or a recombinant virus.

112. (New) The process according to claim 111 wherein the Yellow Fever virus is selected from the group consisting of a YF17D virus strain and a YF17D virus substrain.